





PR 02-JUL-1998; 98US-0091626.  
PR 02-JUL-1998; 98US-0091628.  
PR 02-JUL-1998; 98US-0091633.  
PR 02-JUL-1998; 98US-0091646.  
PR 02-JUL-1998; 98US-0091673.  
PR 07-JUL-1998; 98US-0091978.  
PR 07-JUL-1998; 98US-0091982.  
PR 09-JUL-1998; 98US-0092182.  
PR 10-JUL-1998; 98US-0092472.  
PR 20-JUL-1998; 98US-0093339.  
PR 30-JUL-1998; 98US-0094651.  
PR 04-AUG-1998; 98US-0095282.  
PR 04-AUG-1998; 98US-0095285.  
PR 04-AUG-1998; 98US-0095301.  
PR 04-AUG-1998; 98US-0095302.  
PR 04-AUG-1998; 98US-0095318.  
PR 04-AUG-1998; 98US-0095321.  
PR 04-AUG-1998; 98US-0095325.  
PR 10-AUG-1998; 98US-0095916.  
PR 10-AUG-1998; 98US-0095929.  
PR 10-AUG-1998; 98US-0096012.  
PR 11-AUG-1998; 98US-0096143.  
PR 11-AUG-1998; 98US-0096146.  
PR 12-AUG-1998; 98US-0096329.  
PR 17-AUG-1998; 98US-0096757.  
PR 17-AUG-1998; 98US-0096766.  
PR 17-AUG-1998; 98US-0096773.  
PR 17-AUG-1998; 98US-0096791.  
PR 17-AUG-1998; 98US-0096867.  
PR 17-AUG-1998; 98US-0096891.  
PR 17-AUG-1998; 98US-0096894.  
PR 17-AUG-1998; 98US-0096895.  
PR 17-AUG-1998; 98US-0096897.  
PR 18-AUG-1998; 98US-0096949.  
PR 18-AUG-1998; 98US-0096950.  
PR 18-AUG-1998; 98US-0096959.  
PR 18-AUG-1998; 98US-0096960.  
PR 18-AUG-1998; 98US-0097022.  
PR 19-AUG-1998; 98US-0097141.  
PR 20-AUG-1998; 98US-0097218.  
PR 24-AUG-1998; 98US-0097661.  
PR 26-AUG-1998; 98US-0097951.  
PR 26-AUG-1998; 98US-0097952.  
PR 26-AUG-1998; 98US-0097954.  
PR 26-AUG-1998; 98US-0097955.  
PR 26-AUG-1998; 98US-0097971.  
PR 26-AUG-1998; 98US-0097974.  
PR 26-AUG-1998; 98US-0097978.  
PR 26-AUG-1998; 98US-0097979.  
PR 26-AUG-1998; 98US-0097986.  
PR 26-AUG-1998; 98US-0098014.  
PR 31-AUG-1998; 98US-0098525.  
PR 16-SEP-1998; 98US-0100634.  
PR 12-JAN-1999; 99US-0115565.  
XX  
XX  
PA (GETH ) GENENTECH INC.  
XX  
PI Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;  
PI Wood WL, Yuan J;  
XX  
XX WPI; 2000-072883/06.  
DR N-PSDB; AA265013.  
XX  
XX  
PT Membrane-bound proteins and related nucleotide sequences -  
XX  
XX  
PS Claim 12; Fig 120; 822pp; English.  
XX  
CC The invention provides membrane-bound PRO polypeptides and  
CC polynucleotides encoding them. The PRO sequences of the invention were  
CC identified based on extracellular domain homology screening. The PRO  
CC sequences have homology with proteins including LDL receptors, TIE  
CC ligands and various enzymes. The membrane-bound proteins and receptor

CC molecules are useful as pharmaceutical and diagnostic agents. Receptor  
CC immunoadhesins, for instance, can be used as therapeutic agents to block  
CC receptor-ligand interactions. The membrane-bound proteins can also be  
CC employed for screening of potential peptide or small molecule inhibitors  
CC of the relevant receptor/ligand interaction. The PRO encoding sequences  
CC are useful as hybridization probes, in chromosome and gene mapping and in  
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences  
CC will also be useful for the preparation of PRO polypeptides, especially  
CC by recombinant techniques.  
XX  
SQ Sequence 187 AA;  
Query Match 98.1%; Score 964; DB 21; Length 187;  
Best Local Similarity 98.9%; Pred. No. 9.8e-101;  
Matches 185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 1 MYAATVAAAMLLMAAACAQOEODFYDFKAVNIRGLSLERYRGSVSLVNVANSECGPT 60  
Db 1 mvaatvaaaawlllwaacagqegdfdfkavnlrgklvslkyrgsvslvnvasecgtf 60  
QY 61 DQHYRALQQLRDLPHPNVLAFPCNPGQOEPPDSNKEIESFACRTYSVSFPMFSKIAV 120  
Db 61 dqhyralqqlrldlphntvnlafpcnpgqgepsnskeiesfartysvsipmfsklav 120  
QY 121 TGTGAHPAFKYLQRTSGKPEPTNFMFKYLVAPOGKYVGAMDPVSVSEVRLQITALVRKLI 180  
Db 121 tgtgahpafkylaqrtsgeptnfmfkylvapogkyvgawdpvsvsevrpqitalavrkl 180  
QY 181 LKREDEL 187  
Db 181 lkredl 187  
RESULT 3  
AAU29236  
ID AAU29236 standard; Protein; 187 AA.  
XX  
AC AAU29236;  
XX  
DT 18-DEC-2001 (first entry)  
XX  
DE Human PRO polypeptide sequence #213.  
XX  
XX PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;  
KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;  
KW blood; Chondrocyte cell; cell proliferation; cell differentiation; colon;  
KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.  
XX  
XX Homo sapiens.  
PN WO200168848-A2.  
XX  
PD 20-SEP-2001.  
XX  
XX 28-FEB-2001; 2001WO-US06520.  
PE  
PF  
XX  
PR 01-MAR-2000; 2000WO-US05601.  
PR 02-MAR-2000; 2000WO-US05841.  
PR 03-MAR-2000; 2000US-187202P.  
PR 06-MAR-2000; 2000US-186968P.  
PR 14-MAR-2000; 2000US-189320P.  
PR 14-MAR-2000; 2000US-189328P.  
PR 15-MAR-2000; 2000WO-US06884.  
PR 21-MAR-2000; 2000US-190828P.  
PR 21-MAR-2000; 2000US-191007P.  
PR 21-MAR-2000; 2000US-191048P.  
PR 21-MAR-2000; 2000US-191314P.  
PR 28-MAR-2000; 2000US-192655P.  
PR 29-MAR-2000; 2000US-193032P.  
PR 29-MAR-2000; 2000US-193053P.  
PR 30-MAR-2000; 2000WO-US08439P.  
PR 04-APR-2000; 2000US-194449P.

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PR 04-APR-2000; 2000US-194647P.
PR 11-APR-2000; 2000US-195975P.
PR 11-APR-2000; 2000US-196000P.
PR 11-APR-2000; 2000US-196187P.
PR 11-APR-2000; 2000US-196680P.
PR 11-APR-2000; 2000US-196820P.
PR 18-APR-2000; 2000US-198121P.
PR 18-APR-2000; 2000US-198585P.
PR 25-APR-2000; 2000US-199397P.
PR 25-APR-2000; 2000US-199550P.
PR 03-MAY-2000; 2000US-199654P.
PR 17-MAY-2000; 2000US-201516P.
PR 22-MAY-2000; 2000US-201370S.
PR 30-MAY-2000; 2000US-2014042.
PR 02-JUN-2000; 2000US-2014941.
PR 05-JUN-2000; 2000US-209832P.
PR 28-JUL-2000; 2000US-2020710.
PR 22-AUG-2000; 2000US-0644848.
PR 24-AUG-2000; 2000US-0523328.
PR 08-NOV-2000; 2000US-0530952.
PR 01-DEC-2000; 2000US-0532678.
PR 20-DEC-2000; 2000US-0534956.
XX
XX (GENTECH ) GENENTECH INC.
XX
XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI: 2001-602746/68.
XX N-PSDB; AAS46137.
XX
XX Novel nucleic acids encoding PRO polypeptides, used to diagnose the
PT presence of tumours, such as prostate and breast tumours, in mammals and
XX to screen for modulators of the compounds -
XX
XX Claim 11; Fig 426; 774pp; English.
XX
XX Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
CC The PRO polypeptides and their associated nucleic acids can be used to
CC detect the presence of a tumour in a mammal by comparing the level of
CC expression of a PRO polypeptide in a test sample of cells from the animal
CC and a control sample of normal cells, whereby a higher level of
CC expression in the test sample indicates the presence of a tumour in the
CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
CC and rabbits but are preferably human. The polypeptides can be used to
CC stimulate tumour necrosis factor (TNF) alpha release from human blood,
CC when contacted with it. A specific polypeptide can be used to stimulate
CC the proliferation or differentiation of chondrocyte cells. The PRO
CC proteins can be used to determine the presence of tumours and also
CC susceptibility to tumour development, particularly adrenal, lung, colon,
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC can be used for genetic analysis of individuals with genetic disorders.
XX
XX Sequence 187 AA:
SQ

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Query Match 98.1%; Score 964; DB 22; Length 187;
Best Local Similarity 98.9%; Pred. No. 9.8e-101;
Matches 185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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```

QY 1 MVAATVAAAMILLMAAACAOEODPYDKRAVIRKILVLEKYSRVSILVNVASECGFT 60
Db 1 mvaatvaaaamillwaacaagqgdldykavlllygklyslkyrgsvslvvnvasecgft 60
QY 61 DOHYRALQOLQRLDGLPHFNFVLAFCNQGGOEPPSNKEISFACRTYSVSPMKSIAV 120
Db 61 dqhyralqqlqrdldgphfnfvlafpcnqfgqeposnkeisfartysvsfpmkslav 120
QY 121 TGTGAHPAFKTLAQTSGKEPTWNEFWKYLVPADGKVVGAMDPVSVVEEVRLLITALLVRLKI 180
Db 121 tgtgahpafkylqatsgkeptwnefwkylvpadgkvvgawdpvtvsveevrrpqltalvtrlli 180

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QY 181 LKREDL 187
Db 181 LKREDL 187
RESULT 4
AAM38871 standard; Protein; 187 AA.
ID AAM38871
XX
XX AAM38871;
XX
XX 22-OCT-2001 (first entry)
XX
XX Human polypeptide SEQ ID NO 2016.
XX
XX Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer;
KW peripheral nervous system; neuropathy; central nervous system; CNS;
KW Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic;
KW amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic;
KW chemokinetic; thrombolytic; drug screening; arthritis; inflammation;
KW leukaemia.
XX
XX Homo sapiens.
XX
XX WO200153312-A1.
XX
XX 26-JUL-2001.
XX
XX 26-DEC-2000; 2000US-0534263.
XX
XX 21-JAN-2000; 2000US-0488725.
XX 25-APR-2000; 2000US-0552317.
XX 09-JUL-2000; 2000US-0598042.
XX 19-JUL-2000; 2000US-0620312.
XX 13-AUG-2000; 2000US-0635450.
XX 14-SEP-2000; 2000US-0662191.
XX 19-OCT-2000; 2000US-0693036.
XX 29-NOV-2000; 2000US-0727344.
XX
XX (HYSE-) HYSEQ INC.
XX
XX Tang YF, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D;
PI Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J;
PI Zhao Q, Zhou P, Goodrich R, Drmanac RT;
XX
XX WPI: 2001-442253/47.
XX N-PSDB; AAI58027.
XX
XX Novel nucleic acids and polypeptides, useful for treating disorders
PT such as central nervous system injuries -
XX
XX Example 3; SEQ ID NO 2016; 10078pp; English.
XX
XX The invention relates to human nucleic acids (AA157798-AA161369) and
CC the encoded polypeptides (AAM38642-AAM42213) with nootropic,
CC immunosuppressant and cytostatic activity. The polynucleotides are useful
CC in gene therapy. A composition containing a polypeptide or polynucleotide
CC of the invention may be used to treat diseases of the peripheral nervous
CC system, such as peripheral nervous injuries, peripheral neuropathy and
CC localised neuropathies and central nervous system diseases, such as
CC Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic
CC lateral sclerosis, and Shy-Drager Syndrome. Other uses include the
CC utilisation of the activities such as: Immune system suppression,
CC Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic
CC and thrombolytic activity, cancer diagnosis and therapy, drug screening,
CC assays for receptor activity, arthritis and inflammation, leukaemia and
CC C.N.S disorders.
CC Note: The sequence data for this patent did not form part of the printed
CC specification.
XX
XX Sequence 187 AA:
SQ

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Query Match 98.1%; Score 964; DB 22; Length 187;  
 Best Local Similarity 98.9%; Pred. No. 9.8e-101;  
 Matches 185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 MVAATVAAAMLLMMAACAQOEODFYDFKAVNRGKLVSEKRGSVSLVNVASECGFT 60  
 1 mvaatvaawaawlllwaacacqgeqdfydfkavnrgrklvsekyrgsvslvnvasecgft 60

61 DOHYRALQOQLORDLGPHEHNVLAFCPCNOGQOEPPDSNKEIESFACTTYSVSFPMFSKIAY 120  
 61 dqhyralqqlqrldgphhvnla fpcnqfgyqgepdsnkesfarrtyvsfpmfskiay 120

121 TGTGAHPAFKRYLAQTSKREPTNFMKYLVA PDGKVVGVGAMPVYSVEVRLQITALYRKLI 180  
 121 tgtgahpafkrylaqtsqskreptnfmkylvapdgkvvgvagwplvsvvevrlqitalyrkli 180

181 LTKREDL 187  
 181 ltkredl 187

RESULT 5  
 AAB93154  
 ID AAB93154 standard; Protein: 187 AA.

AAB93154;  
 26-JUN-2001 (first entry)  
 Human protein sequence SEQ ID NO:12071.  
 Human protein sequence SEQ ID NO:12071.  
 Human; primer; detection; diagnosis; antisense therapy; gene therapy.  
 Homo sapiens.  
 EP1074617-A2.  
 07-FEB-2001.  
 28-JUL-2000; 2000EP-0116126.  
 29-JUL-1999; 99JP-0248036.  
 27-AUG-1999; 99JP-0300253.  
 11-JAN-2000; 2000JP-0118776.  
 02-MAY-2000; 2000JP-0183767.  
 09-JUN-2000; 2000JP-0241899.  
 (HELI-) HELIX RES INST.  
 Ota T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;  
 Ishii S, Sugiyama T, Wakamatsu A, Nagai K, Otsuki T;  
 WPI: 2001-318749/34.  
 Primer sets for synthesizing polynucleotides, particularly the 5602  
 full-length cDNAs defined in the specification, and for the detection  
 and/or diagnosis of the abnormality of the proteins encoded by the  
 full-length cDNAs -  
 Claim 8; SEQ ID 12071; 2537pp + CD ROM; English.  
 The present invention describes primer sets for synthesizing 5602  
 full-length cDNAs defined in the specification. Where a primer set  
 comprises: (a) an oligo-dT primer and an oligonucleotide complementary  
 to the complementary strand of a polynucleotide which comprises one of  
 the 5602 nucleotide sequences defined in the specification, where the  
 oligonucleotide comprises at least 15 nucleotides; or (b) a combination  
 of an oligonucleotide comprising a sequence complementary to the  
 complementary strand of a polynucleotide which comprises a 5'-end  
 sequence and an oligonucleotide comprising a sequence complementary to a  
 polynucleotide which comprises a 3'-end sequence, where the  
 oligonucleotide comprises at least 15 nucleotides and the combination of

the 5'-end sequence/3'-end sequence is selected from those defined in  
 the specification. The primer sets can be used in antisense therapy and  
 in gene therapy. The primers are useful for synthesizing polynucleotides,  
 particularly full-length cDNAs. The primers are also useful for the  
 detection and/or diagnosis of the abnormality of the proteins encoded by  
 the full-length cDNAs. The primers allow obtaining of the full-length  
 cDNAs easily without any specialised methods. AAH03166 to AAH13628 and  
 AAH13633 to AAH18742 represent human cDNA sequences; AAB92446 to  
 AAB95893 represent human amino acid sequences; and AAH13629 to AAH13632  
 represent oligonucleotides, all of which are used in the exemplification  
 of the present invention.

Sequence 187 AA:

Query Match 98.1%; Score 964; DB 22; Length 187;  
 Best Local Similarity 98.9%; Pred. No. 9.8e-101;  
 Matches 185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1 MVAATVAAAMLLMMAACAQOEODFYDFKAVNRGKLVSEKRGSVSLVNVASECGFT 60  
 1 mvaatvaawaawlllwaacacqgeqdfydfkavnrgrklvsekyrgsvslvnvasecgft 60

61 DOHYRALQOQLORDLGPHEHNVLAFCPCNOGQOEPPDSNKEIESFACTTYSVSFPMFSKIAY 120  
 61 dqhyralqqlqrldgphhvnla fpcnqfgyqgepdsnkesfarrtyvsfpmfskiay 120

121 TGTGAHPAFKRYLAQTSKREPTNFMKYLVA PDGKVVGVGAMPVYSVEVRLQITALYRKLI 180  
 121 tgtgahpafkrylaqtsqskreptnfmkylvapdgkvvgvagwplvsvvevrlqitalyrkli 180

181 LTKREDL 187  
 181 ltkredl 187

RESULT 6  
 AAB74734  
 ID AAB74734 standard; Protein: 187 AA.

AAB74734;  
 12-JUN-2001 (first entry)  
 Human secreted protein sequence encoded by gene 2 SEQ ID NO:43.  
 Human; secreted protein; diagnosis; immunomodulatory; antisclerotic;  
 dermatological; immunosuppressive; anti-inflammatory; anti-HIV;  
 immunostimulant; cytostatic; cardiac; anti-angiogenic;  
 ophthalmological; neuroprotectant; nootropic; anticonvulsant; vaccine;  
 antialzheimer; antiparkinsonian; antimicrobial; vulvovaginal; gene therapy;  
 immune disorder; hyperproliferative disorder; cardiovascular disease;  
 cancer; angiogenic disorder; neurological disorder; infectious disease;  
 wound healing; regeneration; chemotaxis.  
 Homo sapiens.  
 WO200112775-A2.  
 22-FEB-2001.  
 16-AUG-2000; 2000WO-US22325.  
 17-AUG-1999; 99US-0149182.  
 (HUMA-) HUMAN GENOME SCI INC.  
 Rosen CA, Ni J, Florence KA, Fiscella M, Wei P, Baker KP;  
 Birse CE, Young PE, Komatsoulis GA, Moore PA, Soppet DR;  
 WPI: 2001-147550/15.  
 N-PSDB; AAF81788.

PT Nucleic acids encoding 25 human secreted polypeptides, useful for  
PT preventing, diagnosing and/or treating e.g. cancers, Parkinson's  
PT disease and diabetic retinopathy -  
PS Claim 11, Page 462; 485pp; English.  
XX  
XX AAF81787 to AAF81817 encode the human secreted proteins given in AAF81733  
CC to AAF817472. Human secreted proteins can have activities based on the  
CC tissues and cells they are expressed in. Example of activities include:  
CC immunomodulatory; antisclerotic; dermatological; immunosuppressive;  
CC antinflammatory; anti-HIV; immunostimulant; cytostatic; cardiant;  
CC vascular; anti-angiogenic; ophthalmological; neuroprotectant; nootropic;  
CC anticonvulsant; antialzheimers; antiparkinsonian; anticholesterol; and  
CC vaccine. Human secreted proteins can be used in gene therapy and  
CC (PEP) may be used in the prevention, diagnosis and treatment of diseases  
CC associated with inappropriate polypeptide expression. For example, NAMI  
CC and PEP1 may be used to treat disorders associated with decreased  
CC expression by rectifying mutations or deletions in a patient's genome  
CC that affect the activity of proteins by expressing inactive proteins or  
CC to supplement the patient's own production of polypeptides. Disorders that  
CC may be prevented, diagnosed and/or treated include immune disorders,  
CC hyperproliferative disorders (e.g. cancers), cardiovascular diseases,  
CC angiogenic disorders, neurological disorders, infectious diseases and/or  
CC for promoting wound healing, regeneration and/or chemotaxis. AAF81778 to  
CC AAF81786 and AAF81732 represent sequences used in the exemplification of  
CC the present invention.  
XX  
SQ Sequence 187 AA:  
  
Query Match 98.1%; Score 964; DB 22; Length 187;  
Best Local Similarity 98.9%; Pred. No. 9.8e-101;  
Matches 185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
  
QY 1 MVAATVAAAWLLMAAACAOQEDDFPKAVNIRGKLVLEKRGSVSLVNVNASCGFT 60  
DB 1 mvaatvaaaawllwaaacaqegqdfdkavmrkglvlslekrgsvslvvnasecgft 60  
QY 61 DOHYRALQOLQRLDGPHEHFNVLAFPCNOFGQEPDSNKEIESFACRTYVSFPMFSKIAV 120  
DB 61 dghyralqqlrdlqphhfnvlfapcngfsgqepdsnkeiesfarttyvsfpmfskiahv 120  
QY 121 TGTGAHAPKRYLAQTSKREPTNFMKYLVAAPDGKAVGANDPVTYSVEVRKLTALVRKLI 180  
DB 121 tgtgahapkrlylaqtsqskreptnfmkylvapdgkavgvandptvsvvevrpqltalvrkli 180  
QY 181 LKREDL 187  
DB 181 lkredl 187  
  
RESULT 7  
AAB65200  
ID AAB65200 standard; Protein; 187 AA.  
XX  
AC AAB65200;  
XX  
DT 02-APR-2001 (first entry)  
XX  
DE Human PRO828 (UNQ469) protein sequence SEQ ID NO:189.  
XX  
KW Human; secreted and transmembrane protein; PRO; cytostatic;  
KW cell death; cancer; chromosomal mapping; gene mapping; tissue typing;  
KW diagnostic assay.  
XX  
OS Homo sapiens.  
XX  
FN WO200073454-A1.  
XX  
PD 07-DEC-2000.  
XX  
PF 30-MAR-2000; 2000WO-US08439.

XX  
PR 02-JUN-1999; 99WO-US12252.  
PR 23-JUN-1999; 99US-0141037.  
PR 07-JUL-1999; 99US-0143048.  
PR 20-JUL-1999; 99US-0144758.  
PR 26-JUL-1999; 99US-0145698.  
PR 28-JUL-1999; 99US-0146822.  
PR 17-AUG-1999; 99US-0149396.  
PR 15-SEP-1999; 99WO-US21090.  
PR 08-OCT-1999; 99WO-US15663.  
PR 30-NOV-1999; 99US-0158663.  
PR 01-DEC-1999; 99WO-US28313.  
PR 16-DEC-1999; 99WO-US28301.  
PR 20-DEC-1999; 99WO-US30095.  
PR 05-JAN-2000; 99WO-US30911.  
PR 06-JAN-2000; 2000WO-US00219.  
PR 11-FEB-2000; 2000WO-US00376.  
PR 18-FEB-2000; 2000WO-US03565.  
PR 22-FEB-2000; 2000WO-US04341.  
PR 24-FEB-2000; 2000WO-US04414.  
PR 24-FEB-2000; 2000WO-US04914.  
PR 02-MAR-2000; 2000WO-US05004.  
PR 15-MAR-2000; 2000WO-US05841.  
PR 20-MAR-2000; 2000WO-US06884.  
PR  
XX  
XX (GENTH ) GENENTECH INC.  
XX  
PI Ashkenazi AJ, Botstein D, Desnoyers L, Eaton DL;  
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;  
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
PI Zhang Z;  
XX  
DR WPT: 2001-032160/04.  
DR N-PSDB: AAF44159.  
XX  
PT PRO polynucleotides used to produce polypeptides used to target  
PT bioactive molecules such as toxins, radiolabels or antibodies, to  
PT specific cells, to cause targeted cell death -  
XX  
PS Claim 12; Fig 120; 935pp; English.  
XX  
CC The present invention describes human secreted and transmembrane PRO  
CC proteins. The PRO proteins have cytostatic activity. The PRO proteins  
CC can be used for targeted delivery of bioactive molecules, such as  
CC toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide  
CC sequences, and their fragments, can be used as hybridisation probes, in  
CC chromosomal and gene mapping, and in the generation of anti-sense RNA  
CC and DNA. They may also be used to produce transgenic animals which are  
CC used to develop and screen therapeutically useful reagents. The PRO  
CC nucleotide and protein sequence can be used for tissue typing and in  
CC treating cancer. Anti-PRO antibodies can be used in diagnostic assays.  
CC AAF44270 to AAF44470 represent PCR primers and hybridisation probes used  
CC in the isolation of human PRO sequences. AAF44087 to AAF44269 and  
CC AAB65154 to AAB65300 represent human PRO polynucleotide and protein  
CC sequences given in the exemplification of the present invention.  
XX  
SQ Sequence 187 AA:  
  
Query Match 98.1%; Score 964; DB 22; Length 187;  
Best Local Similarity 98.9%; Pred. No. 9.8e-101;  
Matches 185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
  
QY 1 MVAATVAAAWLLMAAACAOQEDDFPKAVNIRGKLVLEKRGSVSLVNVNASCGFT 60  
DB 1 mvaatvaaaawllwaaacaqegqdfdkavmrkglvlslekrgsvslvvnasecgft 60  
QY 61 DOHYRALQOLQRLDGPHEHFNVLAFPCNOFGQEPDSNKEIESFACRTYVSFPMFSKIAV 120  
DB 61 dghyralqqlrdlqphhfnvlfapcngfsgqepdsnkeiesfarttyvsfpmfskiahv 120

OY 121 TGTGAHPAEKRYLAQTSKGKEPTNFWKRYLVAPDGKVVGAMPVTSVEEVRQLQTALVYRKLI 180  
 |||||||  
 DB 121 tgtgahpafkylaqtsgkeptnfwkrylvapdgkvvgawdptvsveevrpqitalvyrkll 180  
 OY 181 LTKREDL 187  
 |||||||  
 DB 181 ltkredl 187

## RESULT 8

AAM40657  
 ID AAM40657 standard; Protein; 195 AA.

AC AAM40657;  
 XX

DT 22-OCT-2001 (first entry)  
 XX

DE Human polypeptide SEQ ID NO 5588.  
 XX

KW Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer;  
 KW peripheral nervous system; neuropathy; central nervous system; CNS;  
 KW Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic;  
 KW amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic;  
 KW chemokinetic; thrombolytic; drug screening; arthritis; inflammation;  
 KW leukaemia.  
 XX

OS Homo sapiens.  
 XX

PN WO200153312-A1.  
 XX

PD 26-JUL-2001.  
 XX

PE 26-DEC-2000; 2000WO-US34263.  
 XX

PR 21-JAN-2000; 2000US-0488725.  
 PR 25-APR-2000; 2000US-0553317.  
 PR 09-JUL-2000; 2000US-0596042.  
 PR 19-JUL-2000; 2000US-0620312.  
 PR 03-AUG-2000; 2000US-0653450.  
 PR 14-SEP-2000; 2000US-0662191.  
 PR 19-OCT-2000; 2000US-0693036.  
 PR 29-NOV-2000; 2000US-0727344.  
 XX

PA (HYSE-) HYSEQ INC.  
 XX

PI Tang YT, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D;  
 PI Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J;  
 PI Zhao QA, Zhou P, Goodrich R, Drmanac RT;  
 XX

DR WPI: 2001-442253/47.  
 DR N-PSDB; AAI59813.  
 XX

PT Novel nucleic acids and polypeptides, useful for treating disorders  
 PT such as central nervous system injuries -  
 XX

PS Example 2; SEQ ID NO 5588; 10078bp; English.  
 XX

XX The invention relates to human nucleic acids (AAI57798-AAI61369) and  
 CC the encoded polypeptides (AAM38642-AAM42213) with nootropic,  
 CC immunosuppressant and cytostatic activity. The polynucleotides are useful  
 CC in gene therapy. A composition containing a polypeptide or polynucleotide  
 CC of the invention may be used to treat diseases of the peripheral nervous  
 CC system, such as peripheral nervous injuries, peripheral neuropathy and  
 CC Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic  
 CC lateral sclerosis, and Shy-Drager Syndrome. Other uses include the  
 CC utilisation of the activities such as: Immune system suppression,  
 CC activating/inhibiting activity, chemotactic/chemokinetic activity, haemostatic  
 CC and thrombolytic activity, cancer diagnosis and therapy, drug screening,  
 CC assays for receptor activity, arthritis and inflammation, leukaemias and  
 CC C.N.S disorders.  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification.

XX  
 SQ Sequence 195 AA;

Query Match 98.1%; Score 964; DB 22; Length 195;  
 Best Local Similarity 98.9%; Pred. No. 1e-100;  
 Matches 185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 MVAATVAAAWLLMAAACAAQOEODFYDFKAVNIRGKIVSLERKGSILVNVNVAASRCGF 60  
 |||||||  
 DB 9 mvaatvaawlllwaacaaqqeqdlydfkavnlrgkivslrkygsavlvnvasecgtf 68  
 OY 61 DQHYRALQOQLRDLCPHFNFVLAFCNQGQPPDSNKEIESPACRTYSVFPMEKIAV 120  
 |||||||  
 DB 69 dqhyralqqlrdlcpfhfnvlfafpcnqfsgqppdsnkesfarttysfpmfexlav 128  
 OY 121 TGTGAHPAEKRYLAQTSKGKEPTNFWKRYLVAPDGKVVGAMPVTSVEEVRQLQTALVYRKLI 180  
 |||||||  
 DB 129 tgtgahpafkylaqtsgkeptnfwkrylvapdgkvvgawdptvsveevrpqitalvyrkll 188  
 OY 181 LTKREDL 187  
 |||||||  
 DB 189 ltkredl 195

## RESULT 9

AAB53468  
 ID AAB53468 standard; Protein; 196 AA.

AC AAB53468;  
 XX

DT 09-MAR-2001 (first entry)  
 XX

DE Human colon cancer antigen protein sequence SEQ ID NO:1008.  
 XX

KW Human; colon cancer; colon cancer antigen; diagnosis; detection;  
 KW identification; cytostatic; cardioactive; neuroprotective; vulnary;  
 KW immunomodulatory; muscular; gynaecological; gastrointestinal;  
 KW nephrotropic; antiinfective; antibacterial; gene therapy; wound;  
 KW neural disorder; immune system disorder; muscular disorder;  
 KW reproductive disorder; gastrointestinal disorder; renal disorder;  
 KW infectious disease; cardiovascular disorder.  
 XX

OS Homo sapiens.  
 XX

PN WO200055351-A1.  
 XX

PD 21-SEP-2000.  
 XX

PE 08-MAR-2000; 2000WO-US05883.  
 XX

PR 12-MAR-1999; 99US-0124270.  
 XX

PA (HUMA-) HUMAN GENOME SCI INC.  
 XX

PI Rosen CA, Ruben SM;  
 XX

DR WPI: 2000-587534/55.  
 DR N-PSDB; AAC98225.  
 XX

PT Colon cancer associated gene sequences, referred to as colon cancer  
 PT antigens, useful for the treatment, prevention, and diagnosis of colon  
 PT disorders such as colon cancer -  
 XX

PS Claim 11; Page 1592; 2104bp; English.  
 XX

XX AAC97991 to AAC98763 encode the human colon cancer associated proteins,  
 CC called human colon cancer antigens, given in AAB53234 to AAB54006. The  
 CC human colon cancer antigens can have cytostatic, cardioactive, muscular;  
 CC neuroprotective, immunomodulatory, gynaecological, gastrointestinal,  
 CC vulnary, nephrotropic, antiinfective and antibacterial activities, and  
 CC can be used in gene therapy. The colon cancer antigen polynucleotides,  
 CC proteins and antibodies to the proteins are useful for the prevention,







PS Claim 11; Fig 470; 774pp; English.  
 XX Sequences AAU9024-AAU29328 represent PRO polypeptides of the invention.  
 CC The PRO polypeptides and their associated nucleic acids can be used to  
 CC detect the presence of a tumour in a mammal by comparing the level of  
 CC expression of a PRO polypeptide in a test sample of cells from the animal  
 CC and a control sample of normal cells, whereby a higher level of  
 CC expression in the test sample indicates the presence of a tumour in the  
 CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats  
 CC and rabbits but are preferably human. The polypeptides can be used to  
 CC stimulate tumour necrosis factor (TNF) alpha release from human blood,  
 CC when contacted with it. A specific polypeptide can be used to stimulate  
 CC the proliferation or differentiation of chondrocyte cells. The PRO  
 CC proteins can be used to determine the presence of tumours and also  
 CC susceptibility to tumour development, particularly adrenal, lung, colon,  
 CC breast, prostate, rectal, cervical, or liver tumours, in mammalian  
 CC subjects. The oligonucleotide probes specific for the PRO nucleic acids  
 CC can be used for genetic analysis of individuals with genetic disorders.  
 XX  
 SQ Sequence 209 AA:

Query Match 51.3%; Score 504; DB 22; Length 209;  
 Best Local Similarity 55.2%; Pred. No. 1,2e-48;  
 Matches 90; Conservative 32; Mismatches 41; Indels 0; Gaps 0;

QY 25 FYDFKAVNRGKLVLEKRGVSLVNVVASEGCFDQHYRALQOLQDRLGPHHFNVLAF 84  
 DB 47 fyafekdkagrtvsllekkygkxslvvnvasdcqltdrnylgkkelhkegphsfvslaf 106  
 QY 85 PCNQFGQEPDSNKEIESFACRTYVSFPMFSKIATVGTGAHPAFKYLAOTSGKEPTWNF 144  
 DB 107 pcnqfgeseprpskvesfarknygvtfpfhfkikllgsegepaftrflvdskskeprwntf 166  
 QY 145 WKLYVAPDGKVGAMPPTVSVEEVRLOITLALVKKLLILKREDL 187  
 DB 167 wkylvnppegqvkvfwrpeeplevlrpdlaalvrvylikkkedl 209

RESULT 13  
 ID AAM39735  
 XX AAM39735 standard; Protein; 209 AA.

XX 22-OCT-2001 (first entry)

DE Human polypeptide SEQ ID NO 2880.

XX Human; noctropic; immunosuppressant; cytosolic; gene therapy; cancer;  
 KW peripheral nervous system; neuropathy; central nervous system; CNS;  
 KW Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic;  
 KW amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic;  
 KW chemokinetic; thrombolytic; drug screening; arthritis; inflammation;  
 KW leukaemia.

OS Homo sapiens.  
 XX  
 XX WO200153312-A1.

PD 26-JUL-2001.

XX 26-DEC-2000; 2000WO-US34263.

XX 21-JAN-2000; 2000US-0488725.

XX 25-APR-2000; 2000US-0552317.

XX 09-JUL-2000; 2000US-0598042.

XX 19-JUL-2000; 2000US-0620312.

XX 03-AUG-2000; 2000US-0653450.

XX 14-SEP-2000; 2000US-0662191.

XX 19-OCT-2000; 2000US-0693036.

XX 29-NOV-2000; 2000US-0727344.

PA (HYSE-) HYSEQ INC.  
 XX  
 XX Tang YT, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D;  
 PI Wang J, Wang Z, Wehman T, Xu C, Xue AJ, Yang Y, Zhang J;  
 PI Zhao QA, Zhou P, Goodrich R, Drmanac RT;  
 XX  
 XX WPI: 2001-442253/47.  
 DR N-PSDB; AAI58891.  
 XX  
 PT Novel nucleic acids and polypeptides, useful for treating disorders  
 PT such as central nervous system injuries -  
 XX  
 PS Example 4; SEQ ID NO 2880; 10078pp; English.

XX The invention relates to human nucleic acids (AA157798-AA161369) and  
 CC the encoded polypeptides (AAM38642-AA42213) with noctropic,  
 CC immunosuppressant and cytosolic activity. The polynucleotides are useful  
 CC in gene therapy. A composition containing a polypeptide or polynucleotide  
 CC of the invention may be used to treat diseases of the peripheral nervous  
 CC system, such as peripheral nervous injuries, peripheral neuropathy and  
 CC localised neuropathies and central nervous system diseases, such as  
 CC Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic  
 CC lateral sclerosis, and Shy-Drager Syndrome. Other uses include the  
 CC utilisation of the activities such as: Immune system suppression,  
 CC Actin/inhibin activity, chemotactic/chemokinetic activity, haemostatic  
 CC and thrombolytic activity, cancer diagnosis and therapy, drug screening,  
 CC assays for receptor activity, arthritis and inflammation, leukaemias and  
 CC C.N.S disorders.  
 CC Note: the sequence data for this patent did not form part of the printed  
 CC specification.  
 XX  
 SQ Sequence 209 AA:

Query Match 51.3%; Score 504; DB 22; Length 209;  
 Best Local Similarity 55.2%; Pred. No. 1,2e-48;  
 Matches 90; Conservative 32; Mismatches 41; Indels 0; Gaps 0;

QY 25 FYDFKAVNRGKLVLEKRGVSLVNVVASEGCFDQHYRALQOLQDRLGPHHFNVLAF 84  
 DB 47 fyafekdkagrtvsllekkygkxslvvnvasdcqltdrnylgkkelhkegphsfvslaf 106  
 QY 85 PCNQFGQEPDSNKEIESFACRTYVSFPMFSKIATVGTGAHPAFKYLAOTSGKEPTWNF 144  
 DB 107 pcnqfgeseprpskvesfarknygvtfpfhfkikllgsegepaftrflvdskskeprwntf 166  
 QY 145 WKLYVAPDGKVGAMPPTVSVEEVRLOITLALVKKLLILKREDL 187  
 DB 167 wkylvnppegqvkvfwrpeeplevlrpdlaalvrvylikkkedl 209

RESULT 14  
 ID AAM41521  
 XX AAM41521 standard; Protein; 217 AA.

XX 22-OCT-2001 (first entry)

DE Human polypeptide SEQ ID NO 6452.

XX Human; noctropic; immunosuppressant; cytosolic; gene therapy; cancer;  
 KW peripheral nervous system; neuropathy; central nervous system; CNS;  
 KW Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic;  
 KW amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic;  
 KW chemokinetic; thrombolytic; drug screening; arthritis; inflammation;  
 KW leukaemia.

OS Homo sapiens.  
 XX  
 XX WO200153312-A1.

XX 26-JUL-2001.



[illegible]

PR	01-SEP-1999;	9905-0151930.
PR	07-SEP-1999;	9905-0152363.
PR	10-SEP-1999;	9905-0153070.
PR	13-SEP-1999;	9905-0153758.
PR	15-SEP-1999;	9905-0154018.
PR	16-SEP-1999;	9905-0154039.
PR	20-SEP-1999;	9905-0154779.
PR	22-SEP-1999;	9905-0155139.
PR	23-SEP-1999;	9905-0155486.
PR	24-SEP-1999;	9905-0155659.
PR	28-SEP-1999;	9905-0156458.
PR	29-SEP-1999;	9905-0156596.
PR	04-OCT-1998;	9905-0157117.
PR	05-OCT-1999;	9905-0157753.
PR	06-OCT-1999;	9905-0157865.
PR	07-OCT-1999;	9905-0158029.
PR	08-OCT-1999;	9905-0158322.
PR	12-OCT-1999;	9905-0158369.
PR	13-OCT-1999;	9905-0158293.
PR	13-OCT-1999;	9905-0159294.
PR	13-OCT-1999;	9905-0159329.
PR	14-OCT-1999;	9905-0159330.
PR	14-OCT-1999;	9905-0159331.
PR	14-OCT-1999;	9905-0159637.
PR	14-OCT-1999;	9905-0159638.
PR	18-OCT-1999;	9905-0159584.
PR	21-OCT-1999;	9905-0160741.
PR	21-OCT-1999;	9905-0160767.
PR	21-OCT-1999;	9905-0160768.
PR	21-OCT-1999;	9905-0160770.
PR	21-OCT-1999;	9905-0160814.
PR	21-OCT-1999;	9905-0160815.
PR	22-OCT-1999;	9905-0160980.
PR	22-OCT-1999;	9905-0160981.
PR	22-OCT-1999;	9905-0160989.
PR	25-OCT-1999;	9905-0161404.
PR	25-OCT-1999;	9905-0161405.
PR	25-OCT-1999;	9905-0161406.
PR	26-OCT-1999;	9905-0161359.
PR	26-OCT-1999;	9905-0161360.
PR	26-OCT-1999;	9905-0161361.
PR	28-OCT-1999;	9905-0161920.
PR	28-OCT-1999;	9905-0161992.
PR	28-OCT-1999;	9905-0161993.
PR	29-OCT-1999;	9905-0162142.

Search completed: August 23, 2002, 14:39:05  
Job time: 82 sec

Query Match	34.9%	Score 343;	DB 21;	Length 169;
Best Local Similarity	42.3%	Pred. No. 1.5e-30;		
Matches	71; Conservative	24; Mismatches	65; Indels	8; Gaps
Qy	17 ACAQGEODEYDKAVINCKLTYSLEKRGKSVSLVNVNVASEGCTDOHNRALQQLRDGP	76		
Db	2 aaseepkslydtvtvdakayndvdgilygkvlllyvnvaqgdltnsyrelaqlyekykg	61		
Qy	77 HHFNVLAEPCNFGQEDPSNKEISFACRTYSVSPMEKSLAVNGTGNAPKLAQTS	136		
Db	62 hgfellaipnqgfyngdepgtneelvyqfactrkaeyplfdkdvngdkaaryukflksk	121		
Qy	137 -----GKEPTWNNFWKTLVAPDGVKVGAMDPYVSEEVRLQITALVKRLI	180		
Db	122 gdlfdgdklwnfkafklvgdkdgnvvarfaptr-----plsiekvdkll	165		

Mon Aug 26 08:01:40 2002

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